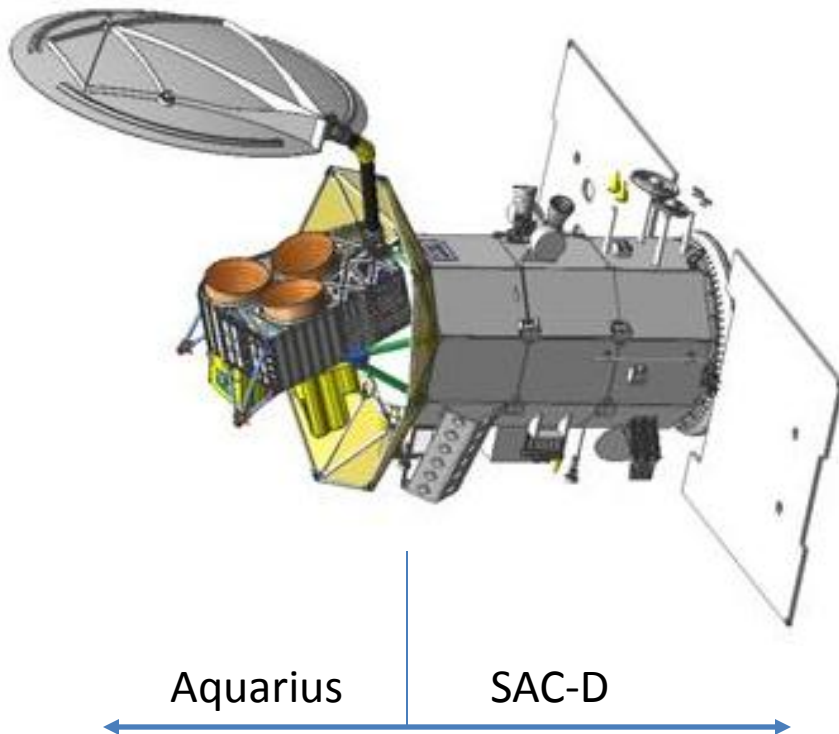


Status of Aquarius/SAC-D

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Aquarius/SAC-D



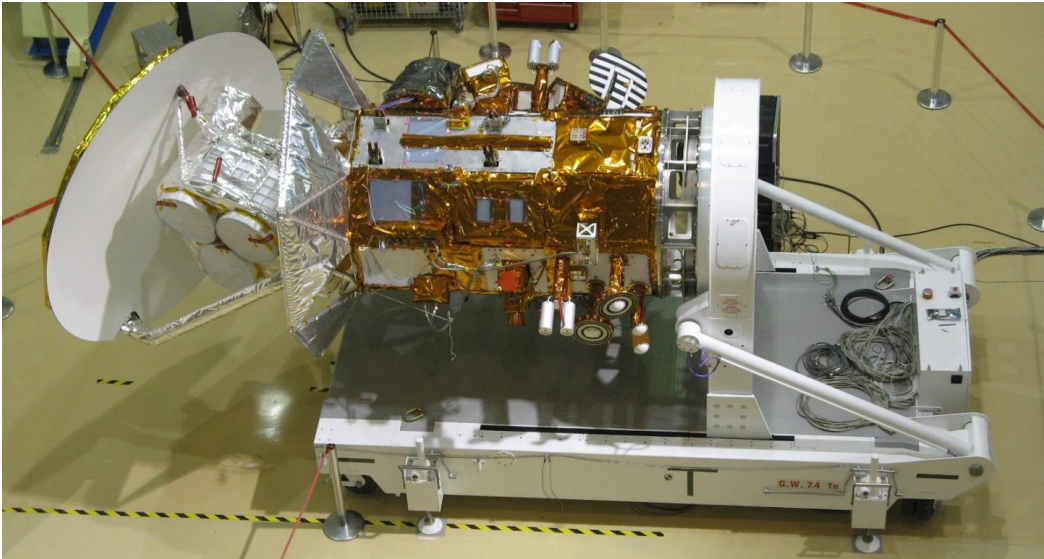
- **Instrument**
 - *L-band*
 - *Radiometer and Radar*
 - *3 Beam Pushbroom*
 - *Polarimetric*
- **Mission**
 - *Sun-synch orbit 6 am/6pm*
 - *Night time look*
 - *675 km Alt; 7 day revisit*
- **Science**
 - *Global maps of Sea Surface Salinity*
 - *Accuracy: 0.2 psu; 150 km; monthly*
 - *Seasonal and annual variations*
- **Partnership**
 - *CONAE (Argentina): Spacecraft (SAC-D)*
 - *NASA/GSFC: L-band radiometer*
 - *NASA/JPL: L-band scatterometer*

Aquarius/SAC-D Instruments

Instrument	Objective	Description	Resolution	Source
Aquarius	Sea Surface Salinity (SSS)	Radiometer (1.4 GHz) Radar (1.26 GHz)	76x 94 km 84x120 km 96x156 km	NASA
MWR: Microwave Radiometer	Precipitation; Wind speed; sea ice	23.8 and 37 GHz 390 km swath	40 km	CONAE
NIRST: New Infrared Sensor Technology	Fires, Sea Surface Temp	3.8, 10.7, 11.7 μm 180 km swath	350 m	CONAE
HSC: High Sensitivity Camera	Urban lights; Fire detection	450-900 μm 700 km swath	200-300 m	CONAE
DCS: Data collection System	Environmental data collection	401.55 MHz uplink	2 contact/day 200 platforms	CONAE
ROSA: Radio Occultation Sounder for Atmosphere	Atmospheric Temp & humidity profiles	GPS occultation	300 km	ASI (Italy)
CARMEN 1: ICARE & SODAD	Effects of Radiation space μ -particles & debris	Si/Li detectors and SMOS sensors		CNES (France)

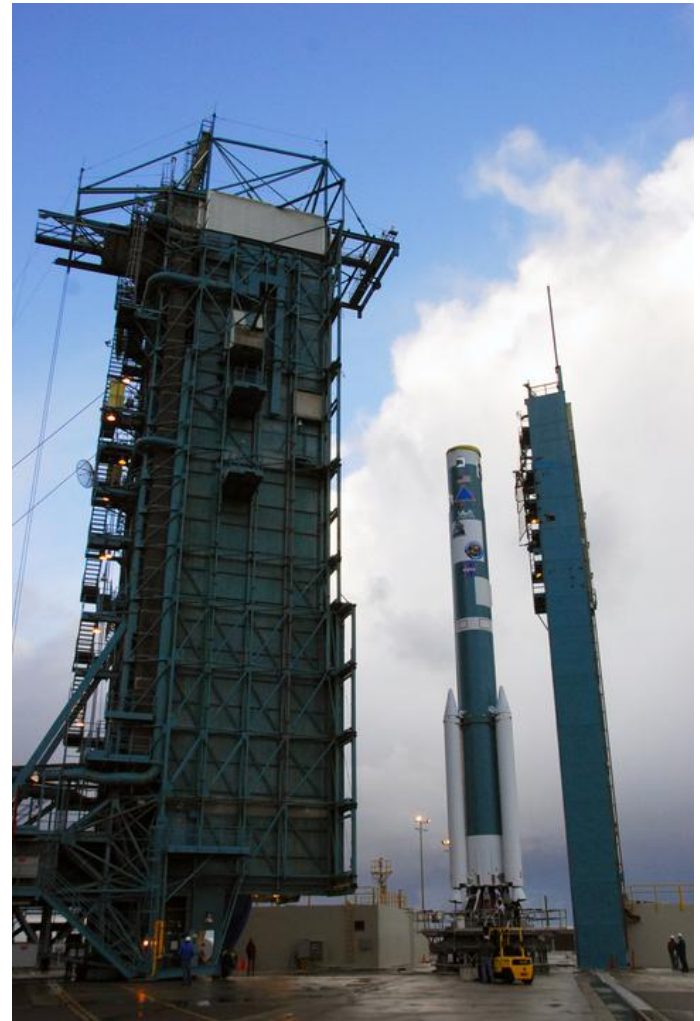
Ready to Go!

Launch: June 9 from VAFB



Aquarius/SAC-D ready to ship to VAFB after environmental testing (March, 2011).

Assembly of Delta-II rocket, VAFB →



Information

- General Information:
 - <http://aquarius.gsfc.nasa.gov/>
- Specific Information and Data Products:
 - <http://oceancolor.gsfc.nasa.gov/AQUARIUS/>
- Media Releases
 - <http://www.nasa.gov/topics/earth>
- Pictures:
 - <http://mediaarchive.ksc.nasa.gov/search.cfm?cat=228>
 - <http://countdown.ksc.nasa.gov/elv/index-vafb.html>